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TITLE: Audio and image signal processing for tracking persons or other objects of interest in video conferencing and other applications, comprises audio and video locator with rule set for determining manner in which camera settings are adjusted

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ABSTRACTED-PUB-NO: WO 200182626A

BASIC-ABSTRACT:

NOVELTY - The audio-video tracking system comprises an audio locator (102), a video locator (104), and a set of rules (106) for determining the manner in which settings of a camera are adjusted, based on outputs of the audio and video locator.

DETAILED DESCRIPTION - The set of rules may be configured such that only the

audio locator output is used to adjust the cameras settings if the audio locator and the video locator outputs are not sufficiently close and a confidence indicator generated by the audio locator is above a specified threshold. For example, in such a situation, the audio locator output alone may be used to direct the camera to a new speaker in a video conference. If the audio locator and video locator outputs are sufficiently close, the system determines if a confidence indicator generated by the video locator is above a specified level, and if so, the video locator output may be used to adjust the camera settings.

An INDEPENDENT CLAIM is made for an article of manufacture comprising a storage medium for storing one or more programs for tracking an object of interest in a video processing system.

USE - Audio and image signal processing for tracking persons or other objects of interest in video conferencing and other applications.

ADVANTAGE - The method and apparatus provide an efficient automated tracking process in video conferences and other applications, freeing a human cameraman from the task, without degrading the quality of the resulting video conference.

DESCRIPTION OF DRAWING(S) - The diagram displays a functional block diagram of the audio-video tracking system.

Audio locator 102

Video locator 104

Rule set 106

CHOSEN-DRAWING: Dwg.3/4

DERWENT-CLASS: W02 W04 W06

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